> **This Raw Listing contains the General Information
> Section and up to first 5 pages.**

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 1   <110> APPLICANT: MEYER, Thomas F.
 2         HAAS, Rainer
 3         ZHENGXIN, Yan
 4         GOMEZ-DUARTE, Oscar
 5         LUCAS, Bernadette
 6   <120> TITLE OF INVENTION: Helicobacter pylori live vaccine
 7   <130> FILE REFERENCE: P564-9008
 8   <140> CURRENT APPLICATION NUMBER: US/09/284,233
 9   <141> CURRENT FILING DATE: 1999-07-28
10   <150> EARLIER APPLICATION NUMBER: PCT/EP97/04744
11   <151> EARLIER FILING DATE: 1997-09-01
12   <150> EARLIER APPLICATION NUMBER: EP/96 116 337.5
13   <151> EARLIER FILING DATE: 1996-10-11
14   <160> NUMBER OF SEQ ID NOS: 6
15   <170> SOFTWARE: PatentIn Ver. 2.1
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53      145                 150                 155                 160
54      aat atc ttt caa ggc aac aac aac acc acg agc caa aat ctc tcc aac      528
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57      cag ctc agt gag ctt aac acc gct agc gtt tat ttg act tac atg aac      576
58      Gln Leu Ser Glu Leu Asn Thr Ala Ser Val Tyr Leu Thr Tyr Met Asn
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78      aac gct aac atc agc aat tca aca ggc tat caa gtg agc tat ggc ggg      912
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103        Ser Arg Ser Leu Asn Ala Gly Phe Phe Gly Gly Ile Gln Leu Ala Gly
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106        Asp Thr Tyr Ile Ser Thr Leu Arg Asn Ser Ser Gln Leu Ala Ser Arg
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109        Pro Thr Ala Thr Lys Phe Gln Phe Leu Phe Asp Val Gly Leu Arg Met
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152          Ser Phe Leu Asn Ala Asn Asn Gln Ala Gly Gly Ile Phe Gln Asn Asn
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209       Gln Leu Gly Gln Val Met Gln Asp Val Gln Asn Pro Gly Gly Ala Lys
210                    35                  40                  45
211       agc gac gaa ctc gcc aga gag ctt aac gct gat gta acg aac aac att  192
212       Ser Asp Glu Leu Ala Arg Glu Leu Asn Ala Asp Val Thr Asn Asn Ile
213            50                  55                  60
214       tta aac aac aac acc gga ggc aac atc gca ggg gcg ttg agt aac gct  240
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216        65                  70                  75                  80
217       ttc tcc caa tac ctt tat tcg ctt tta ggg gct tac ccc aca aaa ctc  288
218       Phe Ser Gln Tyr Leu Tyr Ser Leu Leu Gly Ala Tyr Pro Thr Lys Leu
219                        85                  90                  95
220       aat ggt agc gat gtg tct gcg aac gct ctt tta agt ggt gcg gta ggc  336
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224       Ser Gly Thr Cys Ala Ala Ala Gly Thr Ala Gly Gly Thr Ser Leu Asn
225                       115                 120                 125
226       act caa agc act tgc acc gtt gcg ggc tat tac tgg ctc cct agc ttg  432
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231       145                 150                 155                 160
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234                       165                 170                 175
235       ggg aat gtg ttt ttt aat gcg atg aat aag gct tta gag aat aag aat  576
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237                   180                 185                 190
238       gga act agt agt gct agt gga act agt ggt gcg act ggt tca gat ggt  624
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240                   195                 200                 205
241       caa act tac tcc aca caa gct atc caa tac ctt caa ggc caa caa aat  672
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